

Serial No. 09/006,353  
Ref No. PF341**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, **Ying-Fei Wei, Reiner Gentz, Jian Ni and Steven M. Ruben**, hereby sell, assign and transfer to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

**Tumor Necrosis Factor Receptor 5**

for which an application for United States Letters Patent has been executed by the undersigned on Aug-3, 6, 10, 11-98 also known as United States Application Serial No. 09/006,353, filed January 13, 1998 and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

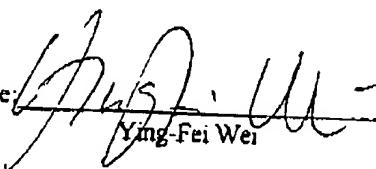
The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), James H. Davis (Reg. No. 40,582) and Kenley Hoover (Reg. No. 40,302) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Serial No. 09/006,353  
Ref No: PF341

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s)  
opposite their signature(s):

Inventor's Signature:

  
Ying-Fei Wei

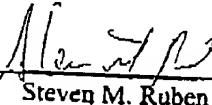
Date: 8/31/98

Inventor's Signature:

  
Reiner Gerke

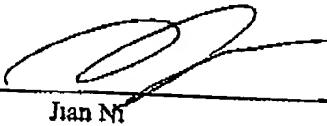
Date: 8-6-98

Inventor's Signature:

  
Steven M. Ruben

Date: 8/11/98

Inventor's Signature:

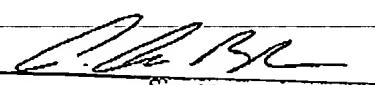
  
Jian Ni

Date: 8/15/98

CHARGE 2102 - 01400504

## U.S. PATENT AND TRADEMARK OFFICE

BOX ASSIGNMENTS  
Case Docket No. PF341U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeRECORDATION FORM COVER SHEET  
PATENTS ONLYTo the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Ying-Fei Wei Executed on Aug-3-98 Reiner Genitz Executed on: Aug-6-98 Steven M. Ruben Executed on Aug-11-98 Jian Ni Executed on Aug-10-98		2. Name and address of receiving party(ies): Name: Human Genome Sciences, Inc Street Address 9410 Key West Avenue City Rockville, Maryland 20850
3. Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Additional name(s) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Nature of conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		
4. Title Tumor Necrosis Factor Receptor 5		A. Patent Application No. (s) 09/006,353 Filed Jan-13-98
5. Application number (s) or patent numbers (s) If this document is being filed together with a new application, the execution date of the application is:		B. Patent No. Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
6. Name and address of party to whom correspondence concerning documents should be mailed: Human Genome Sciences, Inc. 9410 Key West Avenue Rockville, Maryland 20850 Telephone: 301-309-8504 Facsimile: 301-309-8439		
7. Total of applications and patents involved 1		
8. Total Fee (37 CFR 3.41) ..... \$40.00 <input type="checkbox"/> Enclosed (By check in total of filing fee and Assignment Recordation Fee) <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account		
9. Deposit Account No. 08-3425 (Attached duplicated copy of this page if paying by deposit account)		
10. If any additional fees due in connection with the recordation of this Assignment, please charge the same to Deposit No. 08-3425		
11. Statement and Signature The best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
A. Anders Brookes Name of Person Signing Registration No. 36,373		 Signature 8/24/98 Date
Total number of pages including cover sheet, attachment, and documents 3		



UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 ASSISTANT SECRETARY AND COMMISSIONER  
 OF PATENTS AND TRADEMARKS  
 Washington, D C 20231



\*100811765B\*

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT  
 DECEMBER 15, 1998

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 PROPERTY NUMBER: 09006353

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SONYA JOHNSON, EXAMINER  
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RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

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7-341

DECEMBER 15, 1998

RECEIVED



\*100811765A\*

HUMAN GENOME SCIENCES, INC.  
A. ANDERS BROOKES  
9410 KEY WEST AVENUE  
ROCKVILLE, MARYLAND 20850

DEC 17 1998  
AAB  
HGS PATENT DEPT

DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION  
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PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/24/1998

REEL/FRAME: 9418/0772  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:  
WEI, YING-FEI

DOC DATE: 08/03/1998

ASSIGNEE:  
GENTZ, REINER

DOC DATE: 08/06/1998

ASSIGNEE:  
RUBEN, STEVEN M.

DOC DATE: 08/11/1998

ASSIGNEE:  
NI, JIAN

DOC DATE: 08/10/1998

ASSIGNEE:  
HUMAN GENOME SCIENCES, INC.  
9410 KEY WEST AVENUE  
ROCKVILLE, MARYLAND 20850SERIAL NUMBER: 09006353  
PATENT NUMBER:FILING DATE: 01/13/1998  
ISSUE DATE:



# American Type Culture Collection

12301 Parklawn Drive • Rockville, MD 20852 USA • Telephone: (301)231-5520 Telex: 908-768 ATCCROVE • FAX: 301-816-4366

## BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

### INTERNATIONAL FORM

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3  
AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

RECEIPT

DEC - 5 -

THE PATENT DEPT

To: (Name and Address of Depositor or Attorney)

Human Genome Sciences, Inc.  
Attn: Robert H. Benson  
9410 Key West Avenue  
Rockville, MD 20850

Deposited on Behalf of: Human Genome Sciences, Inc.

Identification Reference by Depositor:

ATCC Designation

DNA Plasmid 1658760 (PF 341)

97798

The deposits were accompanied by:        a scientific description        a proposed taxonomic description indicated above.

The deposits were received November 20, 1996 by this International Depository Authority and have been accepted.

AT YOUR REQUEST:   X   We will inform you of requests for the strains for 30 years.

The strains will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strains, and ATCC is instructed by the United States Patent & Trademark Office or the depositor to release said strains.

If the cultures should die or be destroyed during the effective term of the deposit, it shall be your responsibility to replace them with living cultures of the same.

The strains will be maintained for a period of at least 30 years from date of deposit, or five years after the most recent request for a sample, whichever is longer. The United States and many other countries are signatory to the Budapest Treaty.

The viability of the cultures cited above was tested November 27, 1996. On that date, the cultures were viable.

International Depository Authority: American Type Culture Collection, Rockville, Md. 20852 USA

Signature of person having authority to represent ATCC:

Barbara M. Hailey  
Barbara M. Hailey, Administrator, Patent Depository

Date: November 29, 1996

Jan-23-01 12:14pm From-

T-165 P.03/09 F-586

9418/0772 PAGE 2

SONYA JOHNSON, EXAMINER  
ASSIGNMENT DIVISION  
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